Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A reinforced panel structure comprising a first panel comprising a first planar surface and a nonplanar boss, a second panel comprising a second planar surface and defining an opening, the second panel opening receivingly engaging the first panel boss permitting contiguous mating contact of the first and second planar surfaces.

2. (Original) The structure of claim 1 wherein the first panel defines an opening and the second panel comprises a nonplanar boss, the first panel opening receivingly engaging the second panel boss.

3. (Original) The structure of claim 2 wherein the first and second panels comprise a plurality of bosses and openings.

4. (Original) The structure of claim 3 wherein the first and second bosses are opposingly disposed.

5. (Original) The structure of claim 3 wherein the first and second panel bosses are interleaved.

6. (Currently amended) The structure of claim 5 wherein the first and second ~~planar surfaces~~ panels comprise two pair of opposing webs joined to define an enclosure with a central passage.

7. (Currently amended) The structure of claim 5 wherein the first and second ~~planar surfaces~~ panels comprise a first portion comprising a first medial web and substantially orthogonal flanges extending from a proximal and distal end thereof, and a second portion comprising a second medial web and substantially orthogonal flanges extending from a proximal and distal end thereof, the portions joined with the orthogonal flanges abuttingly engaged and the webs in substantial parallel mating relationship defining an enclosure with a central passage.

8. (Currently amended) [[A]] An enclosure made of a composite corrugated panel ~~comprising~~ with a ~~first corrugated panel defining a first corrugation height joined to a second corrugated panel defining a second corrugation height, the joined panels defining a~~ cross sectional thickness that is less than a sum of the ~~first and second corrugation heights~~ cross sectional thickness of first and second corrugated panels making up the composite corrugated panel, the enclosure comprising:

a first portion having a medial web with opposing first and second orthogonal flanges;

a second portion having a medial web with opposing third and fourth orthogonal flanges, the first and second portions joined by abuttingly engaging the first and

second flanges against the third and fourth flanges defining a central passage between the opposing medial portions and opposing flanges.

9. (Currently amended) The ~~composite corrugated panel~~ enclosure of claim 8 wherein the first and second corrugated panels comprise first and second corrugations, respectively, that are disposed in opposing directions.

10. (Currently amended) The ~~composite corrugated panel~~ enclosure of claim 9 wherein the first and second corrugated panels comprise first and second openings, respectively, the first openings each receivingly engaging one of the second corrugations and the second openings each receivingly engaging one of the first corrugations.

11. (Currently amended) The ~~composite corrugated panel~~ enclosure of claim 10 wherein the first and second corrugations are interleaved.

12. – 13. (Canceled)

14. (Original) A method for producing a composite corrugated panel, comprising:

providing a first panel comprising a first corrugation and a first opening;

providing a second panel comprising a second corrugation and a second opening;

stacking the panels by disposing the first corrugation in the second opening and the second corrugation in the first opening.

15. (Original) The method of claim 14 wherein the stacking step comprises disposing the corrugations in opposing directions.

16. (Original) The method of claim 15 wherein the providing a first panel comprises providing a first panel defining a selected first material thickness and first corrugation height, and the providing a second panel comprises providing a second panel defining a selected second material thickness and second corrugation height.

17. (Original) The method of claim 16 comprising selectively modeling the thickness of the composite corrugated panel as a function of the first and second material thicknesses and the first and second corrugation heights.

18. (Original) The method of claim 17 wherein the modeling step comprises:

(a) determining whether the second material thickness is less than the first corrugation height minus the first material thickness; and

(b) determining whether the first material thickness is less than the second corrugation height minus the second material thickness.

19. (Original) The method of claim 18 wherein the modeling step comprises:

(c) if step (a) is yes and step (b) is yes, then modeling the thickness of the composite corrugated panel as being substantially the first corrugation height minus the first material thickness plus the second corrugation height minus the second material thickness;

(d) if step (a) is yes and step (b) is no, then modeling the thickness of the composite corrugated panel as substantially being the first corrugation height;

(e) if step (a) is no and step (b) is yes, then modeling the thickness of the composite corrugated panel as substantially being the second corrugation height; and

(f) if step (a) is no and step (b) is no, then modeling the thickness of the composite corrugated panel is substantially being the sum of the first and second material thicknesses.